

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

United States Patent Application COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **STRUCTURAL REGULARITY EXTRACTION AND FLOORPLANNING IN DATAPATH CIRCUITS USING VECTORS**.

The specification of which was filed on November 5, 1999 as application serial no. 09/435,112.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

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Application Number
09/187,543

Filing Date
November 6, 1998

Status

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Adams, Gregory J.	Reg. No. 44,494	Huebsch, Joseph C.	Reg. No. 42,673	Nelson, Albin J.	Reg. No. 28,650
Anglin, J. Michael	Reg. No. 24,916	Jurkovich, Patti J.	Reg. No. 44,813	Nielsen, Walter W.	Reg. No. 25,539
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Please direct all correspondence in this case to **Schwegman, Lundberg, Woessner & Kluth, P.A.** at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Sudhakar Kale

Citizenship: India

Post Office Address: 1560 Ambergrove Drive
San Jose, CA 95131

Residence: San Jose, CA

Signature: Sudhakar Kale

Sudhakar Kale

Date: 1/26/00

Full Name of joint inventor number 2 : Amit Chowdhary

Citizenship: India

Post Office Address: 1256 Vicente Drive #8
Sunnyvale, CA 94086

Residence: Sunnyvale, CA

Signature: Amit Chowdhary

Date: _____

X Additional inventors are being named on separately numbered sheets, attached hereto.

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Full Name of joint inventor number 3 : Phani Saripella

Citizenship: India Residence: Santa Clara, CA

Post Office Address: 2066 Kimberlin Place
Santa Clara, CA 95051

Signature: _____ Date: _____
Phani Saripella

Full Name of joint inventor number 4 : Naresh K. Sehgal

Citizenship: United States of America Residence: Santa Clara, CA

Post Office Address: 3240 Cabrillo Avenue
Santa Clara, CA 95051

Signature: _____ Date: _____
Naresh K. Sehgal

Full Name of joint inventor number 5 : Rajesh Gupta

Citizenship: United States of America Residence: Santa Clara, CA

Post Office Address: 3600 Juliette Lane
Santa Clara, CA 95052

Signature: _____ Date: _____
Rajesh Gupta

Full Name of inventor:

Citizenship: _____ Residence: _____

Post Office Address: _____

Signature: _____ Date: _____

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

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Citizenship: India

Residence: San Jose, CA

Post Office Address: 1560 Ambergrove Drive
San Jose, CA 95131

Signature: _____

Sudhakar Kale

Date: _____

Full Name of joint inventor number 2 : Amit Chowdhary

Citizenship: India

Residence: Sunnyvale, CA

Post Office Address: 1256 Vicente Drive #8-1202 MUSCAT CT. A.C.
Sunnyvale, CA 94086 94087

Signature: _____

Amit Chowdhary

Date: _____

12/20/99

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Full Name of joint inventor number 3 : **Phani Saripella**

Citizenship: **India** Residence: **Santa Clara, CA**
Post Office Address: **2066 Kimberlin Place
Santa Clara, CA 95051**

Signature:

Phani Saripella

Date:

Full Name of joint inventor number 4 : **Naresh K. Sehgal**

Citizenship: **United States of America** Residence: **Santa Clara, CA**
Post Office Address: **3240 Cabrillo Avenue
Santa Clara, CA 95051**

Signature:

Naresh K. Sehgal

Date:

Full Name of joint inventor number 5 : **Rajesh Gupta**

Citizenship: **United States of America** Residence: **Santa Clara, CA**
Post Office Address: **3600 Juliette Lane
Santa Clara, CA 95052**

Signature:

Rajesh Gupta

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Date:

Full Name of inventor:

Citizenship: _____ Residence: _____

Post Office Address:

Signature: _____

Date: _____

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

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- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

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- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
- (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **STRUCTURAL REGULARITY EXTRACTION AND FLOORPLANNING IN DATAPATH CIRCUITS USING VECTORS**.

The specification of which was filed on November 5, 1999 as application serial no. 09/435,112.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(c) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number
09/187,543

Filing Date
November 6, 1998

Status

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Adams, Gregory J.	Reg. No. 44,494	Huebsch, Joseph C.	Reg. No. 42,673	Nelson, Albin J.	Reg. No. 28,650
Anglin, J. Michael	Reg. No. 24,916	Jurkovich, Patti J.	Reg. No. 44,813	Nielsen, Walter W.	Reg. No. 25,539
Bianchi, Timothy E.	Reg. No. 39,610	Kalis, Janal M.	Reg. No. 37,650	Oh, Allen J.	Reg. No. 42,047
Billion, Richard E.	Reg. No. 32,836	Kaufmann, John D.	Reg. No. 24,017	Padys, Danny J.	Reg. No. 35,635
Black, David W.	Reg. No. 42,331	Klima-Silberg, Catherine I.	Reg. No. 40,052	Parker, J. Kevin	Reg. No. 33,024
Brennan, Leoniede M	Reg. No. 35,832	Kluth, Daniel J.	Reg. No. 32,146	Peacock, Gregg A.	Reg. No. 45,001
Brennan, Thomas F.	Reg. No. 35,075	Lacy, Rodney L.	Reg. No. 41,136	Perdok, Monique M.	Reg. No. 42,989
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Chu, Dinh C.P.	Reg. No. 41,676	Lemaire, Charles A.	Reg. No. 36,198	Prout, William F.	Reg. No. 33,995
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Embreton, Janet E.	Reg. No. 39,665	Malen, Peter L.	Reg. No. 44,894	Steffey, Charles E.	Reg. No. 25,179
Fogg, David N.	Reg. No. 35,138	Mates, Robert E.	Reg. No. 35,271	Terry, Kathleen R.	Reg. No. 31,884
Fordenbacher, Paul J.	Reg. No. 42,546	McCrackin, Ann M.	Reg. No. 42,858	Viksnins, Ann S.	Reg. No. 37,748
Forrest, Bradley A.	Reg. No. 30,837	Nama, Kash	Reg. No. 44,255	Woessner, Warren D.	Reg. No. 30,440
Harris, Robert J.	Reg. No. 37,346				

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Please direct all correspondence in this case to **Schwegman, Lundberg, Woessner & Kluth, P.A.** at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : **Sudhakar Kale**

Citizenship: **India**
Post Office Address: **1560 Ambergrove Drive
San Jose, CA 95131**

Residence: **San Jose, CA**

Signature: _____

Sudhakar Kale

Date: _____

Full Name of joint inventor number 2 : **Amit Chowdhary**

Citizenship: **India**
Post Office Address: **1256 Vicente Drive #8
Sunnyvale, CA 94086**

Residence: **Sunnyvale, CA**

Signature: _____

Amit Chowdhary

Date: _____

X Additional inventors are being named on separately numbered sheets, attached hereto.

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Full Name of joint inventor number 3 : **Phani Saripella**

Citizenship: **India** Residence: **Santa Clara, CA**

Post Office Address:
**2066 Kimberlin Place
Santa Clara, CA 95051**

Signature: _____ Date: _____
Phani Saripella

Full Name of joint inventor number 4 : **Naresh K. Sehgal**

Citizenship: **United States of America** Residence: **Santa Clara, CA**

Post Office Address:
**3240 Cabrillo Avenue
Santa Clara, CA 95051**

Signature: _____ Date: _____
Naresh K. Sehgal *Jan 30/96*

Full Name of joint inventor number 5 : **Rajesh Gupta**

Citizenship: **United States of America** Residence: **Santa Clara, CA**

Post Office Address:
**3600 Juliette Lane
Santa Clara, CA 95052**

Signature: _____ Date: _____
Rajesh Gupta

Full Name of inventor:

Citizenship: _____ Residence: _____

Post Office Address:

Signature: _____ Date: _____

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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

United States Patent Application

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Application Number
09/187,543

Filing Date
November 6, 1998

Status

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Dahl, John M.	Reg. No. 44,639	Lundberg, Steven W.	Reg. No. 30,568	Schwegman, Micheal L.	Reg. No. 25,816
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Fogg, David N.	Reg. No. 35,138	Mates, Robert E.	Reg. No. 35,271	Terry, Kathleen R.	Reg. No. 31,884
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Forrest, Bradley A.	Reg. No. 30,837	Nama, Kash	Reg. No. 44,255	Woessner, Warren D.	Reg. No. 30,440
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Full Name of joint inventor number 1 : Sudhakar Kale

Citizenship: India

Residence: San Jose, CA

Post Office Address: 1560 Ambergrove Drive
San Jose, CA 95131

Signature: _____

Sudhakar Kale

Date: _____

Full Name of joint inventor number 2 : Amit Chowdhary

Citizenship: India

Residence: Sunnyvale, CA

Post Office Address: 1256 Vicente Drive #8
Sunnyvale, CA 94086

Signature: _____

Amit Chowdhary

Date: _____

X Additional inventors are being named on separately numbered sheets, attached hereto.

04/26/00 14:08 FAX 949 824 8019
04/26/00 13:47 FAX

CECS UCI
SCHWEGMAN, LUNDBERG, WOES

03
007/008

Attorney Docket No.: RAA 142761
Serial No. 09/435,112
Filing Date: November 5, 1999

Page 3 of 4

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 3 : Phani Saripella

Citizenship: India

Residence: Santa Clara, CA

Post Office Address: 2066 Kimberlin Place
Santa Clara, CA 95051

Signature:

Phani Saripella

Date:

Full Name of joint inventor number 4 : Naresh K. Seegal

Citizenship:

United States of America

Residence: Santa Clara, CA

Post Office Address: 3240 Cabrillo Avenue
Santa Clara, CA 95051

Signature:

Naresh K. Seegal

Date:

Full Name of joint inventor number 5 : Rajesh Gupta

Citizenship:

United States of America

Residence: Santa Clara, CA

Post Office Address: 53 Harvey Court
Irvine, CA 92612

Signature:

Rajesh Gupta

Date:

4-26-00

Full Name of inventor:

Citizenship:

Post Office Address:

Residence:

Signature:

Date:

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